

CLAIM AMENDMENTS

1. (currently amended) An electrical assembly comprising a transformer and an translucent electrically insulating permanent cover therefor, the transformer being exposed to a translucent part of the cover, to transmit heat generated by the transformer outwardly, ~~wherein the cover has a shape substantially the same as the transformer~~ beyond the cover.
2. (currently amended) An assembly as claimed in claim 1 wherein the translucent part of the cover is transparent.
3. (previously presented) An assembly as claimed in claim 1 wherein the transformer comprises a transparent bobbin on which a core for the transformer and transformer windings are provided.
4. (previously presented) An assembly as claimed in claim 1 wherein the cover is in the form of a skin.
5. (currently amended) An assembly as claimed in claim 4 wherein the skin comprises a ~~transparent~~ translucent outer shell of a rigid material and a layer of ~~transparent~~ translucent filling material provided between the shell and the transformer.
6. (previously presented) An assembly as claimed in claim 5 wherein the shell comprises first and second body halves fitted together to form the shell.
7. (previously presented) An assembly as claimed in claim 4 wherein the skin comprises outwardly extending protrusions, to provide a clearance between the skin and a surface on which the assembly is mounted in use.

8. (previously presented) An assembly as claimed in claim 1 wherein the cover comprises a plurality of pins for mating with and making electrical contact with a conventional socket arrangement.
9. (previously presented) An assembly as claimed in claim 8 wherein the transformer forms part of power supply circuitry, the power supply circuitry comprising a first output which is accessible through the cover.
10. (previously presented) An assembly as claimed in claim 9 wherein the power supply circuitry comprises a second output which is in parallel with the first output and also accessible through the cover.
11. (previously presented) An assembly as claimed in claim 9 wherein the circuitry comprises a fuse and the fuse is provided in a recess in the cover.
12. (previously presented) An assembly as claimed in claim 11 wherein the cover comprises a lid for opening and closing the recess.
13. (currently amended) A method of forming an electric assembly, the method comprising the steps of:
 - providing a transformer; ~~and~~
 - permanently enclosing the transformer in ~~a translucent~~ an electrically insulating cover; ~~and having a shape substantially the same as the transformer~~
 - exposing the transformer to a translucent part of the cover, which, in use, transmits heat generated by the transformer.

14. (previously presented) A method as claimed in claim 13 wherein the transformer is enclosed by locating the transformer in a rigid transparent shell.
15. (previously presented) A method as claimed in claim 14 wherein the transformer is located by providing a rigid transparent shell having a shape substantially the same as the general shape of the transformer; mounting the transformer in the shell so that a small clearance is defined between substantially a whole of an outer surface of the transformer and the shell; and filling the clearance with a transparent electricity insulating material.
16. (currently amended) An electrical assembly comprising an electrically insulating, ~~translucent~~, radiated heat ~~conducting~~ transmitting cover encapsulating a transformer, wherein the cover has a shape substantially the same as the transformer.
17. (currently amended) The assembly of claim 16 wherein the cover is translucent ~~transparent~~.
18. (previously presented) The assembly of claim 16 wherein the encapsulation comprises fitting a cover around the transformer and filling clearances between the cover and the transformer with a layer of translucent, electrically insulating filling material.
19. (currently amended) The assembly of claim 18 wherein the filling material is heat transmitting ~~conducting~~.
20. (previously presented) The assembly of claim 1 wherein the permanent cover encapsulates the transformer, wherein the encapsulation comprises fitting the cover around the transformer and filling clearances between the cover and the transformer with a layer of translucent, electrically insulating filling material.